In the Abstract:

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**ABSTRACT**

--Thermal cleaning and separation of metal parts is performed by a stator from an electric motor. Windings embedded in an organic, insulating material are placed and heated to 250°-500°C under controlled conditions in a heating chamber, evaporating organic material and loosened windings. Flue gas is evaporated organic substances conducted through a closed pipe system to a condensator, where organic gases condense. The pipe system is designed so that condensate is conducted-on in the closed pipe system to a partly liquid filled vessel. Contents of this vessel are air and water that flow concurrently with the condensed flue gas as condensate, increasing content of organic material in the vessel and separating condensate from air. Air may be conducted to the oven for renewed absorption of organic material. All organic material evaporated from the heating chamber is collected in the vessel for later disposal in an environmentally correct and secure way.--